

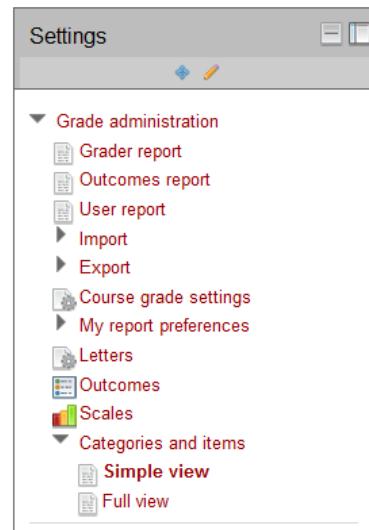
# Calculating the correct Course Total

**(NOTE: This function is still in evaluation and it is not supported)**

## MOODLE DOCUMENTATION

By default, Moodle calculates the final grade (**Course Total**) for each student by assuming the weighting of each activity based on its mark out of value. It is therefore important to set up a formula to calculate the Course Total correctly if you will be releasing this value to students or using it in anyway.

1. Click on **Course administration > Grades > Categories and items** in the **Setting** block on your Course Home Page
2. If your Course Total column is not already hidden you may want to hide it while you enter the formula and verify it is calculating correctly.
3. Click the Calculator in the **Course Total** Row under **Actions** You will see the **Edit calculation** screen. Each grade column needs to be assigned a different id number (which will be used in the calculation rather than the full assignment name), you can choose your own e.g. CP, E2. (A number may have already been assigned to the column if grades have already been entered.)



Name	Aggregation	Extra credit	Max grade	Actions	Select
LAW_1234	Simple weighted mean of grades	-		All None	
Essay 1	-	<input type="checkbox"/>	100.00		<input type="checkbox"/>
Essay 2	-	<input type="checkbox"/>	100.00		<input type="checkbox"/>
Quiz 1	-	<input type="checkbox"/>	100.00		<input type="checkbox"/>
Presentation	-	<input type="checkbox"/>	100.00		<input type="checkbox"/>
Final exam	-	<input type="checkbox"/>	100.00		<input type="checkbox"/>
Course total	-		100.00		

4. Enter an ID number for each grade item. Once you have assigned the numbers click on **Add id numbers** button.
5. To change the way that the final course grade is calculated, you need to enter a formula in the **Calculation** text box at the top of the **Edit calculation** screen. As with popular spreadsheet programs like Excel, your formula must start with an equal (=) sign. To refer to an assessment ID number, you enclose it in double square brackets. For example, **[[CP]]** refers to the Class Presentation in this example.

All of the basic arithmetic operations are supported (+, -, \*, and /) as well as the following list of functions. The comma (,) character is used to separate arguments within function brackets.

- average([[item1]], [[item2]]...):** Returns the average of a sample
- max([[item1]], [[item2]]...):** Returns the maximum value in a list of arguments
- min([[item1]], [[item2]]...):** Returns the minimum value in a list of arguments
- mod(dividend, divisor):** Calculates the remainder of a division
- pi():** Returns the value of the number Pi
- power(base, power):** Raises a number to the power of another
- round(number, count):** Rounds a number to a predefined accuracy
- sum([[item1]], [[item2]]...):** Returns the sum of all arguments

**For the following example**

	<b>Marked out of</b>	<b>% towards final grade</b>	<b>Assessed</b>
<b>Essay 1</b>	100	20	In Moodle (Advanced uploading of file)
<b>Essay 2</b>	100	30	In Moodle (Advanced uploading of file)
<b>Quiz 1</b>	10	10	In Moodle (Quiz)
<b>In class presentation</b>	100	10	In class (Offline activity)
<b>Final Exam</b>	100	30	In class (Offline activity)

You will have a calculation of:

$=sum([[E1]]*0.2[[E2]]*0.3,[[Q1]],[[PR]]*0.1,[[FE]]*0.3)$